

Amendments to the Claims:

This listing of claims replaces all prior listings, and versions, of claims in the application.

Listing of Claims:

1. (Currently amended) Apparatus for a radio communication system having a first network and at least a second network permitting of mobile-node communications, said apparatus for facilitating ~~determination~~ dissemination of routing information by which to route data ~~pursuant to the~~ from a mobile node ~~mobile node communications~~ by way of any of the first and at least second networks, said apparatus comprising:

a registration request detector adapted to receive indications of a registration request from the mobile node, said registration request detector for detecting values of the registration request;

at least a first table accessible at least responsive to detection by said registration request detector of the values of the registration request, said first table containing routing ~~information~~ -data entries indexed together with indicia associated with selected values of the registration request;

a routing information determiner adapted selectably to receive indications of selected routing ~~information~~ -data entries contained in said at least the first table, said routing information determiner, responsive at least in part to the ~~routing information~~ registration request, for determining routing information based at least in part on the routing-data entries, by which the data is to be communicated from the mobile node ~~pursuant to the mobile node communications~~ by way of any of the first and at least second ~~networks, free of additional registration.~~

2. (Currently amended) The apparatus of claim 1 wherein one of the first and at least second networks comprises a home network provider, and wherein the registration request said registration request detector is adapted to receive comprises identification of the home network provider and wherein the indicia associated with the selected values of the registration request indexed together in said first table comprises the identification of the home network provider.

3. (Previously presented) The apparatus of claim 2 wherein one of the first and at least second networks comprises a non-home network provider and wherein the registration request that said registration request detector is adapted to receive further comprises identification of the non-home network provider and wherein the routing determined by said routing determiner is further responsive to the identification of the non-home network provider.

4. (Currently amended) The apparatus of claim 2 wherein the routing information determined by said routing information determiner is further responsive to the identification of the home network provider.

5. (Previously presented) The apparatus of claim 1 wherein the radio communication system further comprises a registration server, wherein said registration request detector is embodied at the registration server, and wherein the registration request is delivered to the registration server.

6. (Original) The apparatus of claim 5 wherein said at least the first table and said routing determiner are embodied at the registration server.

7. (Currently amended) The apparatus of claim 1 further comprising a third network wherein the second and third networks, respectively, encompass at least partially overlapping coverage areas, communication services provided at the second network by a first non-home network provider and communication services provided at the third network by a second non-home network provider, the routing information determined by said routing information determiner further responsive to whether roaming agreements are in place with the first non-home network provider and with the second non-home network provider.

8. (Previously presented) The apparatus of claim 7 wherein the first network comprises a home network in which communication services are provided by a home network operator and wherein the routing determined by said determiner is further responsive to whether the agreements, if any, in place between the home network provider and the first non-home network provider and the home network provider and the at least the second non-home network provider.

9. (Currently amended) The apparatus of claim 1 wherein ~~wherein~~ the routing determined by said routing determiner comprises an internet protocol address to be used to address the data to be routed pursuant to the mobile-node communications.

10. (Currently amended) The apparatus of claim 1 wherein the routing information determined by said routing information determiner comprises direct routing forming direct paths between at least a selected one of the at least the second network and the first network.

11. (Currently amended) The apparatus of claim 1 wherein the routing ~~information~~ -data entries indexed at said at least the first table together with the indicia associated with the selected values of the registration request comprise host routing ~~information~~ -data entries associated with a home network provider.

12. (Currently amended) The apparatus of claim 11 wherein the routing information determined by said routing information determiner includes, in part, the host routing information -data entries indexed together at said at least first table with the home network provider.

13. (Currently amended) The apparatus of claim 11 wherein at least one of the first network and the second network comprises a plurality of network parts, wherein said at least first table further indexes together host routing ~~information~~ -data entries with the network parts of the at least one of the first network part and the second network part.

14. (Currently amended) The apparatus of claim 13 wherein the routing information determined by said routing information determiner includes, in part, the host routing ~~information~~ -data entries indexed together at said at least first table with the network parts of the at least one of the first network part and the second network part.

15. (Currently amended) A method of communicating in a radio communication system having a first network and at least a second network permitting of mobile-node communications, said method for facilitating ~~determination~~ dissemination of routing information by which to route data communicated ~~pursuant to the~~ by a mobile node ~~mobile-node communications~~, said method comprising:

receiving a registration request from the mobile node;
detecting values of ~~[[a]]~~ the registration request;
accessing at least a first table to ascertain routing ~~information~~ data entries indexed together with indicia associated with selected values of the registration request;
and

determining routing information by which the data is to be communicated ~~pursuant to the~~ from the mobile node ~~mobile-node communications~~ by way of any of the first and at least second networks; ~~and, free of additional registration~~

transmitting the routing information to the mobile node in response to the registration request.

16. (Previously presented) The method of claim 15 wherein the registration request detected during said operation of detecting comprises identification of a home network provider and wherein the indicia associated with the selected values accessed during said operation of accessing comprise the identification of the home network provider.

17. (Previously presented) The method of claim 15 wherein the registration request detected during said operation of detecting comprises identification of a non-home network provider, the routing determined during said operation of determining further responsive to the identification of the non-home network provider.

18. (Currently amended) The method of claim 15 further comprising a third network, wherein the second and third networks, respectively, encompass at least partially overlapping coverage areas, communication services provided at the second network by a first non-home network provider and communication services provided at the third network by a second non-home network provider, and wherein the routing information determined during said operation of routing determining is further responsive to whether roaming agreements are in place with the first non-home network provider and with the second non-home network provider.

19. (Previously presented) The method of claim 18 wherein the first network comprises a home network in which communication services are provided by a home network operator, and wherein the routing determined during said operation of determining routing is further responsive to whether the roaming agreements, if any, in place between the home network provider and the first non-home network provider and the home network provider and the at least the second non-home network provider comprise bi-directional agreements.

20. (Currently amended) The method of claim 15 ~~wherein the fixed network comprises a registration server~~ and wherein said operations of detecting, accessing, and determining are performed at ~~the~~ a registration server.